

Application No. 10/722,881  
Amendment dated December 26, 2007  
Reply to Office Action dated September 26, 2007

Attorney Docket: 5234-0169PUS1

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### AMENDMENTS TO THE CLAIMS

The following is a listing of claims to replace all prior versions and listings of claims in the application:

#### Listing of Current Claims

1. (Currently Amended) A multimedia signal transmitting apparatus ~~for processing at least one multimedia signal according to at least one compression method, the apparatus comprising:~~  
a processing module for selecting a compression method;  
a receiving/transferring module for receiving the multimedia signal and transferring the multimedia signal to a corresponding first digital multimedia signal and sending outputting the a first digital multimedia signal to the processing module;  
a rate measuring module for measuring a first transmitting rate corresponding to of the first digital multimedia signal outputted from between the receiving/transferring module and the processing module, wherein the processing module determines a compression ratio according to the compression method and the first transmitting rate then getting a first transmitting rate; and  
a processing module receiving the first digital multimedia signals and selecting a compression method by a predetermined transmitting rate and the first transmitting rate outputted from the rate measuring module; and combining all output digital signals of the processing module as a second digital multimedia signal;  
a transmitting module, transmitting the module for transmitting a second digital multimedia signal transmitted from the processing module by the by a predetermined transmitting rate, wherein the processing module generates the second digital

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multimedia signal by compressing the first digital multimedia signal with the compression ratio.

2. (Currently amended) The apparatus of claim 1, wherein a wireless protocol selected by the transmitting module is ~~from a~~ from the group consisting of IEEE802.11a, IEEE802.11b, IEEE802.11g, and Home RF.
3. (Currently amended) The apparatus of claim 1, wherein the compression method ~~are~~ method is selected by the processing module from a from the group consisting of MP3, MPEG-1, MPEG-2, MPEG-4, MPEG-7, and MPEG-21.
- 4-5. (Cancelled)
6. (Original) The apparatus of claim 1, further comprising an infrared transmitting module for converting the second digital multimedia signal to an infrared and transmitting the infrared.
7. (Currently amended) [[An]]A method for transmitting multimedia signals with a predetermined rate, the method transmitting method, at least one predetermined compression method and a predetermined transmitting rate being predetermined, the method comprising:  
receiving at least one input a first multimedia signal and a second multimedia signal;  
transferring the multimedia signals to get at least one corresponding first digital multimedia signal;

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measuring a first transmitting rate corresponding to ~~each~~ the first digital multimedia signal, ~~then getting at least one first transmitting rate and a second transmitting rate corresponding to the second multimedia signal~~;  
selecting a ~~corresponding~~ first compression method ~~and compressing for compressing~~ the first digital multimedia signal to generate a first compressed signal;  
selecting a second compression method for compressing the second multimedia signal to generate a second compressed signal; for output;  
~~combining all combining the first~~ compressed signal as signal and the second compressed signal to generate a second digital digital multimedia signal, wherein a transmitting rate of the digital signal is not greater than the predetermined rate; and  
transmitting the ~~second digital multimedia~~ signal by the predetermined ~~transmitting~~ rate.

8. (Currently amended) The method of claim 7, wherein a wireless protocol selected for transmitting the second digital multimedia signal is selected from the a group consisting of IEEE802.11a, IEEE802.11b, IEEE802.11g, and Home RF.
9. (Currently amended) The method of ~~claim 1~~ claim 7, wherein the ~~at least one predetermined first compression method and the second compression method is selected are selected~~ from a group the group consisting of MP3, MPEG-1, MPEG-2, MPEG-4, MPEG-7, and MPEG-21.
10. (Currently amended) The method of ~~claim 8~~ claim 7, further comprising the following step:  
determining a first compression ratio according to the first transmitting rate and the first compression method; and

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determining a second compression ratio according to the second transmitting rate and the second compression method; transferring the second digital multimedia signal to an infrared and outputting the infrared  
wherein the first multimedia signal is compressed by the first compression ratio, and the second multimedia signal is compressed by the second compression ratio.

11. (Currently amended) The method of claim 7, wherein the ~~input-first~~ multimedia signals signal is an comprise at least one analog multimedia signal.
12. (Currently amended) The method of claim 7, wherein the ~~input-first~~ multimedia signal comprise at least one is a digital multimedia signal ~~and at least one analog multimedia signal~~ selectively.
13. (Currently amended) A multimedia signal transmitting apparatus for transmitting an output signal in a predetermined rate, the apparatus comprising:
- a receiving/transferring module for sending ~~receiving~~ a first multimedia signal and a second multimedia signal, ~~and transferring both signals into a first digital multimedia signal and a second digital multimedia signal, outputting both signals;~~
  - a rate measuring module for measuring a first transmitting rate ~~corresponding to~~ of the first ~~digital~~ multimedia signal and a second transmitting rate ~~corresponding to~~ of the second ~~digital~~ multimedia signal;
  - a processing module for ~~receiving the first digital multimedia signals and the second~~

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~~digital-multimedia signal, compressing the first digital-multimedia signal by a first compression method with a first compression ratio and compressing the second digital-multimedia signals by a second compression method with a second compression ratio, wherein the processing module determines the first compression ratio according to the first compression method and the first transmitting rate and determines the second compression ratio according to the second compression method and the second transmitting rate; combining compressed the first digital multimedia signal and the second digital multimedia signal as the output signal, wherein selecting the first compression method and the second compression method by the first transmitting rate and the second transmitting rate and the predetermined rate, wherein the output signal rate is less than the predetermined transmitting rate;~~  
and  
a transmitting module, module for transmitting the output signal by the predetermined transmitting rate, the output signal comprising a compressed first multimedia signal and a compressed second multimedia signal outputted from the processing module, wherein an output signal rate of the output signal is not greater than the predetermined transmitting rate.

14-16. (Cancelled)